

OPINION 864

PENAEID GENERIC NAMES (CRUSTACEA, DECAPODA): ADDITION OF TWENTY-EIGHT TO THE OFFICIAL LIST

RULING.—(1) Under the plenary powers:

(a) the following emendations are hereby validated:

- (i) *Atypopenaeus* for the generic name originally published as *Atypopeneus* Alcock, 1905;
- (ii) *Parapenaeopsis* for the generic name originally published as *Parapeneopsis* Alcock, 1901;
- (iii) *Trachypenaeopsis* for the generic name originally published as *Trachypeneopsis* Burkenroad, 1934;
- (iv) *Trachypenaeus* for the generic name originally published as *Trachypeneus* Alcock, 1901;
- (v) *Xiphopenaeus* for the generic name originally published as *Xiphopeneus* Smith, 1869;

(b) both parts of the publication by W. G. Tilesius von Tilenau entitled "Ueber das nächtliche Leuchten des Meerwassers" published in 1814, *Ann. Weiterau. Ges. Naturk.* 3 : 360–372 and 1818, *ibid.* 4 : 1–10, pls. 20a, b, 21a, b, are hereby suppressed for the purposes of zoological nomenclature;

(c) it is hereby directed that the generic name *Metapenaeus* Wood-Mason, 1891, be given priority over the generic name *Mangalura* Miers, 1878, by any author who considers these two nominal genera to be synonymous.

(2) The following generic names are hereby placed on the Official List of Generic Names in Zoology with the Name Numbers specified:

- (a) *Acetes* H. Milne Edwards, 1830 (gender: masculine), type-species, by monotypy, *Acetes indicus* H. Milne Edwards, 1830 (Name No. 1803);
- (b) *Aristaeomorpha* Wood-Mason, 1891 (gender: feminine), type-species, by original designation, *Aristeus rostridentatus* Bate, 1881 (Name No. 1804);
- (c) *Aristeus* Duvernoy, 1840 (gender: masculine), type-species, by original designation, *Penaeus antennatus* Risso, 1816 (Name No. 1805);
- (d) *Artemesia* Bate, 1888 (gender: feminine), type-species, by monotypy, *Artemesia longinaris* Bate, 1888 (Name No. 1806);
- (e) *Atypopenaeus* (emend. under the plenary powers of *Atypopeneus*) Alcock, 1905 (gender: masculine), type-species, by original designation, *Penaeus compressipes* Henderson, 1893 (Name No. 1807);
- (f) *Benthescymus* Bate, 1881 (gender: masculine), type-species, by designation by Bate, 1888, *Benthescymus crenatus* Bate, 1881 (Name No. 1808);
- (g) *Benthonectes* Smith, 1885 (gender: masculine), type-species, by monotypy, *Benthonectes filipes* Smith, 1885 (Name No. 1809);

- (h) *Funchalia* Johnson, 1868 (gender: feminine), type-species, by monotypy, *Funchalia woodwardi* Johnson, 1868 (Name No. 1810);
- (i) *Gennadas* Bate, 1881 (gender: masculine), type-species, by monotypy, *Gennadas parvus* Bate, 1881 (Name No. 1811);
- (j) *Haliporus* Bate, 1881 (gender: masculine), type-species, by designation by Fowler, 1912, *Haliporus curvirostris* Bate, 1881 (Name No. 1812);
- (k) *Hemipenaeus* Bate, 1881 (gender: masculine), type-species, by designation by Faxon, 1895, *Hemipenaeus spinidorsalis* Bate, 1881 (Name No. 1813);
- (l) *Hepomadus* Bate, 1881 (gender: masculine), type-species, by designation by Fowler, 1912, *Hepomadus glacialis* Bate, 1881 (Name No. 1814);
- (m) *Heteropenaeus* De Man, 1896 (gender: masculine), type-species, by monotypy, *Heteropenaeus longimanus* De Man, 1896 (Name No. 1815);
- (n) *Hymenopenaeus* Smith, 1882 (gender: masculine), type-species, by monotypy, *Hymenopenaeus debilis* Smith, 1882 (Name No. 1816);
- (o) *Lucifer* Thompson, 1830 (gender: masculine), type-species, by subsequent indication under Art. 68b, by H. Milne Edwards, 1837, *Leucifer typus* H. Milne Edwards, 1837 (Name No. 1817);
- (p) *Macropetasma* Stebbing, 1914 (gender: neuter), type-species, by monotypy, *Parapenaeus africanus* Balss, 1913 (Name No. 1818);
- (q) *Metapenaeopsis* Bouvier, 1905 (gender: feminine), type-species, by original designation, *Metapenaeopsis pubescens* Bouvier, 1905 (a junior secondary homonym of *Penaeus pubescens* Stimpson, 1871, replaced by *Penaeopsis miersi* Holthuis, 1952) (Name No. 1819);
- (r) *Parapenaeopsis* (emend. under the plenary powers of *Parapeneopsis*) Alcock, 1901 (gender: feminine), type-species, by original designation, *Penaeus styliferus* H. Milne Edwards, 1837 (Name No. 1820);
- (s) *Penaeopsis* Bate, 1881 (gender: feminine), type-species, by designation by Bouvier, 1905, *Penaeopsis serratus* Bate, 1881 (Name No. 1821);
- (t) *Petalidium* Bate, 1881 (gender: neuter), type-species, by monotypy, *Petalidium foliaceum* Bate, 1881 (Name No. 1822);
- (u) *Plesiopenaeus* Bate, 1881 (gender: masculine), type-species, by designation by Faxon, 1895, *Aristeus armatus* Bate, 1881 (Name No. 1823);
- (v) *Sergestes* H. Milne Edwards, 1830 (gender: masculine), type-species, by monotypy, *Sergestes atlanticus* H. Milne Edwards, 1830 (Name No. 1824);
- (w) *Sicyonella* Borradaile, 1910 (gender: feminine), type-species, by monotypy, *Sicyonella maldivensis* Borradaile, 1910 (Name No. 1825);
- (x) *Trachypenaeopsis* (emend. under the plenary powers of *Trachypeneopsis*) Burkenroad, 1934 (gender: feminine), type-species, by original designation, *Metapenaeus mobilispinis* Rathbun, 1915 (Name No. 1826);
- (y) *Trachypenaeus* (emend. under the plenary powers of *Trachypeneus*) Alcock, 1901 (gender: masculine), type-species, by original designation, *Penaeus anchoralis* Bate, 1881 (Name No. 1827);
- (z) *Xiphopenaeus* (emend. under the plenary powers of *Xiphopeneus*) Smith, 1869 (gender: masculine), type-species, by monotypy, *Xiphopenus hartii* Smith, 1869 (Name No. 1828);

- (aa) *Metapenaeus* Wood-Mason, 1891 (gender: masculine), type-species, by original designation, *Penaeus affinis* H. Milne Edwards, 1837 (Ruled under the plenary powers to be given precedence over *Mangalura* Miers, 1878) (Name No. 1829);
- (bb) *Mangalura* Miers, 1878 (gender: feminine), type-species, by monotypy, *Penaeus dobsoni* Miers, 1878 (Ruled under the plenary powers not to be given precedence over *Metapenaeus* Wood-Mason, 1891) (Name No. 1830).
- (3) The following specific names are hereby placed on the Official List of Specific Names in Zoology with the Name Numbers specified:
- (a) *indicus* H. Milne Edwards, 1830, as published in the binomen *Acetes indicus* (type-species of *Acetes* H. Milne Edwards, 1830) (Name No. 2258);
- (b) *rostridentatus* Bate, 1881, as published in the binomen *Aristeus rostridentatus* (type-species of *Aristaeomorpha* Wood-Mason, 1891) (Name No. 2259);
- (c) *antennatus* Risso, 1816, as published in the binomen *Penaeus antennatus* (type-species of *Aristeus* Duvernoy, 1840) (Name No. 2260);
- (d) *longinaris* Bate, 1888, as published in the binomen *Artemesia longinaris* (type-species of *Artemesia* Bate, 1888) (Name No. 2261);
- (e) *compressipes* Henderson, 1893, as published in the binomen *Penaeus compressipes* (type-species of *Atypopenaeus* Alcock, 1905) (Name No. 2262);
- (f) *crenatus* Bate, 1881, as published in the binomen *Benthescycymus crenatus* (type-species of *Benthescycymus* Bate, 1881) (Name No. 2263);
- (g) *filipes* Smith, 1885, as published in the binomen *Benthonectes filipes* (type-species of *Benthonectes* Smith, 1885) (Name No. 2264);
- (h) *woodwardi* Johnson, 1868, as published in the binomen *Funchalia woodwardi* (type-species of *Funchalia* Johnson, 1868) (Name No. 2265);
- (i) *parvus* Bate, 1881, as published in the binomen *Gennadas parvus* (type-species of *Gennadas* Bate, 1881) (Name No. 2266);
- (j) *curvirostris* Bate, 1881, as published in the binomen *Haliporus curvirostris* (type-species of *Haliporus* Bate, 1881) (Name No. 2267);
- (k) *spinidorsalis* Bate, 1881, as published in the binomen *Hemipenaeus spinidorsalis* (type-species of *Hemipenaeus* Bate, 1881) (Name No. 2268);
- (l) *glacialis* Bate, 1881, as published in the binomen *Hepomadus glacialis* (type-species of *Hepomadus* Bate, 1881) (Name No. 2269);
- (m) *longimanus* De Man, 1896, as published in the binomen *Heteropenaeus longimanus* (type-species of *Heteropenaeus* De Man, 1896) (Name No. 2270);
- (n) *debilis* Smith, 1882, as published in the binomen *Hymenopenaeus debilis* (type-species of *Hymenopenaeus* Smith, 1882) (Name No. 2271);
- (o) *typus* H. Milne Edwards, 1837, as published in the binomen *Lucifer typus* (type-species of *Lucifer* Thompson, 1830) (Name No. 2272);
- (p) *africanus* Balss, 1913, as published in the binomen *Parapenaeus africanus* (type-species of *Macropetasma* Stebbing, 1914) (Name No. 2273);

- (q) *miersi* Holthuis, 1952, as published in the binomen *Penaeopsis miersi* (type-species, through *Metapenaeopsis pubescens* Bouvier, 1905, of *Metapenaeopsis* Bouvier, 1905) (Name No. 2274);
 - (r) *styliferus* H. Milne Edwards, 1837, as published in the binomen *Penaeus styliferus* (type-species of *Parapenaeopsis* Alcock, 1901) (Name No. 2275);
 - (s) *serratus* Bate, 1881, as published in the binomen *Penaeopsis serratus* (type-species of *Penaeopsis* Bate, 1881) (Name No. 2276);
 - (t) *foliaceum* Bate, 1881, as published in the binomen *Petalidium foliaceum* (type-species of *Petalidium* Bate, 1881) (Name No. 2277);
 - (u) *armatus* Bate, 1881, as published in the binomen *Aristeus armatus* (type-species of *Plesiopenaeus* Bate, 1881) (Name No. 2278);
 - (v) *atlanticus* H. Milne Edwards, 1830, as published in the binomen *Sergestes atlanticus* (type-species of *Sergestes* H. Milne Edwards, 1830) (Name No. 2279);
 - (w) *maldivensis* Borradaile, 1910, as published in the binomen *Sicyonella maldivensis* (type-species of *Sicyonella* Borradaile, 1910) (Name No. 2280);
 - (x) *mobilispinis* Rathbun, 1915, as published in the binomen *Metapenaeus mobilispinis* (type-species of *Trachypenaeopsis* Burkenroad, 1934) (Name No. 2281);
 - (y) *anchoralis* Bate, 1881, as published in the binomen *Penaeus anchoralis* (type-species of *Trachypenaeus* Alcock, 1901) (Name No. 2282);
 - (z) *kroyeri* Heller, 1862, as published in the binomen *Penaeus kroyeri* (Name No. 2283);
 - (aa) *affinis* H. Milne Edwards, 1837, as published in the binomen *Penaeus affinis* (type-species of *Metapenaeus* Wood-Mason, 1891) (Name No. 2284);
 - (bb) *dobsoni* Miers, 1878, as published in the binomen *Penaeus dobsoni* (type-species of *Mangahura* Miers, 1878) (Name No. 2285).
- (4) The following names are hereby placed on the Official List of Family-Group Names in Zoology with the Name Numbers specified:
- (a) ARISTEINAE (correction of ARISTAEINA) Wood-Mason, 1891 (type-genus *Aristeus* Duvernoy, 1840) (Name No. 430);
 - (b) BENTHESICYMINAE (correction of BENTHESICYMINA) Wood-Mason, 1891 (type-genus *Benthesicymus* Bate, 1881) (Name No. 431);
 - (c) LUCIFERIDAE Dana, 1852 (type-genus *Lucifer* Thompson, 1830) (Name No. 432);
 - (d) SERGESTIDAE Dana, 1852 (type-genus *Sergestes* H. Milne Edwards, 1830) (Name No. 433).
- (5) The following generic names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology with the Name Numbers specified:
- (a) *Aristaeus* Wood-Mason, 1891 (an incorrect spelling for *Aristeus* Duvernoy, 1840) (Name No. 1924);
 - (b) *Atypapeneus* Alcock, 1905 (Ruled under the plenary powers in (1) above to be an incorrect original spelling for *Atypopenaeus*) (Name No. 1925);

- (c) *Hemipeneus* Faxon, 1893 (an incorrect spelling for *Hemipenaeus* Bate, 1881) (Name No. 1926);
 - (d) *Heteropeneus* Alcock, 1906 (an incorrect spelling for *Heteropenaeus* De Man, 1896) (Name No. 1927);
 - (e) *Hymenopeneus* Faxon, 1895 (an incorrect spelling for *Hymenopenaeus* Smith, 1882) (Name No. 1928);
 - (f) *Leucifer* H. Milne Edwards, 1837 (an incorrect spelling for *Lucifer* Thompson, 1830) (Name No. 1929);
 - (g) *Metapeneus* Alcock, 1901 (an incorrect spelling for *Metapenaeus* Wood-Mason, 1891) (Name No. 1930);
 - (h) *Parapeneopsis* Alcock, 1901 (Ruled under the plenary powers in (1) above to be an incorrect original spelling for *Parapenaeopsis*) (Name No. 1931);
 - (i) *Peneopsis* Faxon, 1893 (an incorrect spelling for *Penaeopsis* Bate, 1881) (Name No. 1932);
 - (j) *Phasmatocarcinus* Tilesius von Tilenau, 1818 (a name published in a work suppressed for the purposes of zoological nomenclature) (Name No. 1933);
 - (k) *Plesiopeneus* Faxon, 1895 (an incorrect spelling for *Plesiopenaeus* Bate, 1881) (Name No. 1934);
 - (l) *Prionorhynchotus* Tilesius von Tilenau, 1818 (a name published in a work suppressed for the purposes of zoological nomenclature) (Name No. 1935);
 - (m) *Symphysopus* Tilesius von Tilenau, 1818 (a name published in a work suppressed for the purposes of zoological nomenclature) (Name No. 1936);
 - (n) *Trachypeneopsis* Burkenroad, 1934 (Ruled under the plenary powers in (1) above to be an incorrect original spelling for *Trachypenaeopsis*) (Name No. 1937);
 - (o) *Trachypeneus* Alcock, 1901 (Ruled under the plenary powers in (1) above to be an incorrect original spelling for *Trachypenaeus*) (Name No. 1938);
 - (p) *Xiphopeneus* Smith, 1869 (Ruled under the plenary powers in (1) above to be an incorrect original spelling for *Xiphopenaeus*) (Name No. 1939).
- (6) The following specific names are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology with the Name Numbers specified:
- (a) *apus* Tilesius von Tilenau, 1818, as published in the binomen *Prionorhynchotus apus* (a name published in a work suppressed for the purposes of zoological nomenclature) (Name No. 900);
 - (b) *discophthalmus* Tilesius von Tilenau, 1818, as published in the binomen *Phasmatocarcinus discophthalmus* (a name published in a work suppressed for the purposes of zoological nomenclature) (Name No. 901);
 - (c) *glaucus* Tilesius von Tilenau, 1818, as published in the binomen *Phasmatocarcinus glaucus* (a name published in a work suppressed for the purposes of zoological nomenclature) (Name No. 902);

(d) *hirtus* Tilesius von Tilenau, 1818, as published in the binomen *Symphysopus hirtus* (a name published in a work suppressed for the purposes of zoological nomenclature) (Name No. 903).

(7) The following names are hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology with the Name Numbers specified:

(a) ARISTAENA Wood-Mason, 1891 (type-genus *Aristeus* Duvernoy, 1840) (an incorrect original spelling for ARISTEINAE (Name No. 438);

(b) BENTHESICYMINA Wood-Mason, 1891 (type-genus *Benthescycymus* Bate, 1881) (an incorrect original spelling for BENTHESICYMINAE) (Name No. 439);

(c) LUCIFERINAE Ortman, 1898 (type-genus *Lucifer* Thompson, 1830) (an incorrect spelling for LUCIFERIDAE Dana, 1852) (Name No. 440);

(d) LEUCIFÉRIENS H. Milne Edwards, 1837 (type-genus *Lucifer* Thompson, 1830) (a vernacular (French) name) (Name No. 441).

(8) The following work is hereby placed on the Official Index of Rejected and Invalid Works in Zoological Nomenclature with the Title Number 75:

Tilesius von Tilenau, W. G., "Ueber das nächtliche Leuchten des Meerwassers", part 1, 1814, *Ann. Wetterau. Ges. Naturk.* 3 : 360-372; part 2, 1818, *Ann. Wetterau. Ges. Naturk.* 4 : 1-10, pls. 20a, b, 21a, b (suppressed under the plenary powers for nomenclatorial purposes).

HISTORY OF THE CASE (Z.N.(S.) 962)

The present application was submitted to the office of the Commission by Dr. L. B. Holthuis in June 1961. Dr. Holthuis' application was sent to the printer on 22 August 1961 and was published on 23 March 1962 in *Bull. zool. Nomencl.* 19 : 103-114, with an amendment in *Bull. zool. Nomencl.* 20 : 245-247. Public Notice of the possible use of the plenary powers in the present case was given in the same part of the *Bulletin* as well as to the other prescribed serial publications (Constitution Art. 12b; *Bull. zool. Nomencl.* 21 : 184). The application was supported by Dr. G. Gunter (*Bull. zool. Nomencl.* 20 : 174). Objections to various points were made by Mr. M. D. Burkenroad, Dr. F. A. Chace, and Dr. T. E. Bowman (*Bull. zool. Nomencl.* 20 : 169-174, 247-249).

DECISION OF THE COMMISSION

On 11 December 1963 the Members of the Commission were invited to vote under the Three-Month Rule on Voting Paper (63)34 either for or against the proposals set out in *Bull. zool. Nomencl.* 19 : 111-114, as amended in *Bull. zool. Nomencl.* 20 : 247. The Voting Paper was divided into five parts in which Commissioners were asked to vote either for or against, in Part 1, the use of the plenary powers to emend to *Aristeomorpha* the generic name *Aristaeomorpha* Wood-Mason, 1891 (proposal 1(a)(i)), in Part 2A the use of the plenary powers to standardise the spelling of the generic names derived from *Penaeus* Fabricius, in Part 2B, for the adoption of either *-peneus* or *-penaeus* for such names (proposal 1(a)(ii-vi) and counter-proposals), in Part 3, the use of the plenary powers to give priority to *Metapenaeus* Wood-Mason, 1891, over *Mangalura* Miers, 1878 (revised proposal 1(c)), in Part 4, the use of the plenary powers to

suppress the work of Tilesius von Tilenau, 1814 and 1818 (proposal 1(e)), and in Part 5, the addition to the Official Lists and Indexes of the names so recommended by Dr. Holthuis in proposals 2-8, as amended on page 247 of vol. 20. At the close of the prescribed voting period on 11 March 1964 the state of the voting was as follows:

Part 1. Affirmative votes—twelve (12), received in the following order: China, Boschma, Hering, Stoll, Jaczewski, Binder, Simpson, Tortonese, Alvarado, Bonnet, Uchida, Forest.

Negative votes—fourteen (14): Lemche, Mayr, Riley, Miller, Vokes, Brinck, do Amaral, Mertens, Hubbs, Ride, Kraus, Evans, Sabrosky, Holthuis.*

Part 2. Affirmative votes—twenty (20): China, Boschma, Hering, Lemche, Mayr, Riley, Miller, Stoll, Jaczewski, Binder, Simpson, Brinck, Tortonese, do Amaral, Alvarado, Bonnet, Uchida, Forest, Kraus, Holthuis.*

Negative votes—six (6): Vokes, Mertens, Hubbs, Ride, Evans, Sabrosky.

Part 3. Affirmative votes—fifteen (15): China, Boschma, Hering, Riley, Miller, Stoll, Jaczewski, Binder, Simpson, Tortonese, do Amaral, Alvarado, Bonnet, Uchida, Holthuis.*

Negative votes—eleven (11): Lemche, Mayr, Vokes, Brinck, Mertens, Forest, Hubbs, Ride, Evans, Kraus, Sabrosky.

Part 4. Affirmative votes—twenty-five (25): China, Boschma, Hering, Mayr, Riley, Miller, Stoll, Jaczewski, Binder, Vokes, Simpson, Brinck, Tortonese, do Amaral, Alvarado, Bonnet, Uchida, Obruchev, Mertens, Forest, Hubbs, Ride, Evans, Kraus, Holthuis.*

Negative votes—one (1): Sabrosky.

Part 5. Affirmative votes—twenty-four (24): China, Boschma, Hering, Lemche, Mayr, Riley, Miller, Stoll, Jaczewski, Binder, Simpson, Brinck, Tortonese, do Amaral, Alvarado, Bonnet, Uchida, Obruchev, Forest, Hubbs, Ride, Evans, Kraus, Holthuis.*

Negative votes—three (3): Vokes, Mertens, Sabrosky.

Voting Papers not returned—two (2): Borchsenius, Munroe.

In Part 2B Commissioners voted as follows:

For *-peneus*—five (5): Stoll, Simpson, Tortonese, do Amaral, Alvarado.

For *-peneus*—fifteen (15): China, Boschma, Hering, Lemche, Mayr, Riley, Miller, Jaczewski, Binder, Brinck, Bonnet, Uchida, Forest, Kraus, Holthuis.*

As a result of the voting on V.P. (63)34, a decision was obtained on Parts 1, 2, 4 and 5 of that Voting Paper. In Part 3, however, a majority of Commissioners, but not a two-thirds majority, voted to grant priority to *Metapeneus* over *Mangalura*. In accordance with paragraph C(12) of the Commissions By-Laws (*Bull. zool. Nomencl.* 22 : 8) a second vote was therefore called for on that question.

On 1 May 1968 the Members of the Commission were invited to vote under the Three-Month Rule on V.P. (68)9 either for or against the use of the plenary powers to give priority to *Metapeneus* Wood-Mason, 1891, over *Mangalura* Miers, 1878, and to add these names to the Official List with the appropriate endorsements (*Bull. zool. Nomencl.* 20 : 247, proposals (1)(c), (2)(b) and (c),

*Commissioner Holthuis asked that he be counted with the majority.

(3)(c) and (d)). At the close of the prescribed voting period on 1 August 1968 the state of the voting was as follows:

Affirmative votes—seventeen (17), received in the following order: China, Holthuis, Brinck, Mayr, Jaczewski, Bonnet, do Amaral, Uchida, Alvarado, Starobogatov, Evans, Simpson, Munroe, Binder, Tortonese, Forest, Ride.

Negative votes—seven (7): Vokes, Sabrosky, Obruchev, Melville, Lemche, Mertens, Kraus.

Commissioner E. Eisenmann did not vote.

ORIGINAL REFERENCES

The following are the original references for the generic names placed on the Official List and Index by the Ruling given in the present Opinion:

Acetes H. Milne Edwards, 1830, *Ann. Sci. nat.*, Paris (1) **19** : 350

Aristaeomorpha Wood-Mason, 1891, in Wood-Mason & Alcock, *Ann. Mag. nat. Hist.* (6)**8** : 286

Aristaeus Wood-Mason, 1891, in Wood-Mason & Alcock, *Ann. Mag. nat. Hist.* (6)**8** : 278

Aristeus Duvernoy, 1840, *C.R. Acad. Sci.*, Paris **11** : 217

Artemesia Bate, 1888, *Rep. Voy. " Challenger "* (Zool.) **24**: xii, lxxvi, 219, 227, 228, 277, 280, 281

Atypopenaeus Alcock, 1905, *Ann. Mag. nat. Hist.* (7)**16** : 524

Atypopenaeus Alcock, 1905, an incorrect original spelling for *Atypopenaeus* q.v.

Benthescymnus Bate, 1881, *Ann. Mag. nat. Hist.* (5)**8** : 171, 190

Benthonectes Smith, 1885, *Proc. U.S. nat. Mus.* **7** : 509

Funchalia Johnson, 1868, *Proc. zool. Soc. Lond.* **1867** : 895

Gennadas Bate, 1881, *Ann. Mag. nat. Hist.* (5)**8** : 171, 191

Haliporus Bate, 1881, *Ann. Mag. nat. Hist.* (5)**8** : 185

Hemipenaeus Bate, 1881, *Ann. Mag. nat. Hist.* (5)**8** : 171, 186

Hemipeneus Faxon, 1893, *Bull. Mus. comp. Zool.*, Harvard **24** : 215

Hepomadus Bate, 1881, *Ann. Mag. nat. Hist.* (5)**8** : 171, 189

Heteropenaeus De Man, 1896, *Zool. Anz.* **19** : 111

Heteropenaeus Alcock, 1906, *Cat. Indian Decap. Crust. Ind. Mus.* **3**(1) : 5

Hymenopenaeus Smith, 1882, *Bull. Mus. comp. Zool.*, Harvard **10** : 91

Hymenopenaeus Faxon, 1895, *Mem. Mus. comp. Zool.*, Harvard **18** : 191

Leucifer H. Milne Edwards, 1837, *Hist. nat. Crust.* **2** : 467

Lucifer Thompson, 1830, *Zool. Res.* (3) : 37

Macropetasma Stebbing, 1914, *Ann. S. Afr. Mus.* **15** : 22

Mangalura Miers, 1878, *Proc. zool. Soc. Lond.* **1878** : 303

Metapenaeopsis Bouvier, 1905, *C.R. Acad. Sci.*, Paris **140** : 981

Metapenaeus Wood-Mason, 1891, in Wood-Mason & Alcock, *Ann. Mag. nat. Hist.* (6)**8** : 271

Metapeneus Alcock, 1901, *Descr. Cat. Indian Deep Sea Crust.* : 14

Parapenaeopsis Alcock, 1901, *Descr. Cat. Indian Deep Sea Crust.* : 14

Parapeneopsis Alcock, 1901, an incorrect original spelling for *Parapenaeopsis* q.v.

Penaeopsis Bate, 1881, *Ann. Mag. nat. Hist.* (5)**8** : 171, 182

Peneopsis Faxon, 1893, *Bull. Mus. comp. Zool.*, Harvard **24** : 212

Petalidium Bate, 1881, *Ann. Mag. nat. Hist.* (5)8 : 172, 194
Phasmatocarcinus Tilesius von Tilenau, 1818, *Ann. Wetterau. Ges. Naturk.* 4 : 6
Plesiopenaeus Bate, 1881, *Ann. Mag. nat. Hist.* (5)8 : 188
Plesiopeneus Faxon, 1895, *Mem. Mus. comp. Zool.*, Harvard, 18 : 196, 199
Prionorhynchotus Tilesius von Tilenau, 1818, *Ann. Wetterau. Ges. Naturk.* 4 : 6
Sergestes H. Milne Edwards, 1830, *Ann. Sci. nat.*, Paris (1)19 : 348
Sicyonella Borradaile, 1910, *Trans. Linn. Soc. Lond.*, Zool. (2)13 : 259
Symphysopus Tilesius von Tilenau, 1818, *Ann. Wetterau. Ges. Naturk.* 4 : 9
Trachypenaeopsis Burkenroad, 1934, *Bull. Bingham oceanogr. Coll.* 4(7) : 40
Trachypeneopsis Burkenroad, 1934, an incorrect original spelling for *Trachypenaeopsis* q.v.

Trachypenaeus Alcock, 1901, *Descr. Cat. Indian Deep Sea Crust* : 15
Trachypeneus Alcock, 1901, an incorrect original spelling for *Trachypenaeus* q.v.
Xiphopenaeus Smith, 1869, *Trans. Connect. Acad. Arts Sci.* 2 : 27
Xiphopeneus Smith, 1869, an incorrect original spelling for *Xiphopenaeus* q.v.

The following are the original references for the specific names placed on the Official List and Index by the Ruling given in the present Opinion:

affinis, *Penaeus*, H. Milne Edwards, 1837, *Hist. nat. Crust.* 2 : 416
africanus, *Parapenaeus*, Balss, 1913, *Denkschr. med. naturwiss. Ges. Jena* 17 : 105
anchoralis, *Penaeus*, Bate, 1881, *Ann. Mag. nat. Hist.* (5)8 : 181
antennatus, *Penaeus*, Risso, 1816, *Hist. nat. Crust. env. Nice* : 96
apus, *Prionorhynchotus* Tilesius von Tilenau, 1818, *Ann. Wetterau. Ges. Naturk.* 4 : 6

armatus, *Aristeus*, Bate, 1881, *Ann. Mag. nat. Hist.* (5)8 : 188
atlanticus, *Sergestes*, H. Milne Edwards, 1830, *Ann. Sci. nat.*, Paris (1)19 : 349
compressipes, *Penaeus*, Henderson, 1893, *Trans. Linn. Soc. Land.*, Zool. (2)5 : 450
crenatus, *Benthesicymus*, Bate, 1881, *Ann. Mag. nat. Hist.* (5) 8 : 190
curvirostris, *Haliporus*, Bate, 1881, *Ann. Mag. nat. Hist.* (5)8 : 185
debilis, *Hymenopenaeus*, Smith, 1882, *Bull. Mus. comp. Zool.*, Harvard 10 : 91
discophthalmus, *Phasmatocarcinus*, Tilesius von Tilenau, 1818, *Ann. Wetterau. Ges. Naturk.* 4 : 7

dobsoni, *Penaeus*, Miers, 1878, *Proc. zool. Soc. Lond.* 1878 : 302
filipes, *Benthonectes*, Smith, 1885, *Proc. U.S. nat. Mus.* 7 : 509
foliaceum, *Petalidium*, Bate, 1881, *Ann. Mag. nat. Hist.* (5)8 : 194
glacialis, *Hepomadus*, Bate, 1881, *Ann. Mag. nat. Hist.* (5)8 : 190
glaucus, *Phasmatocarcinus*, Tilesius von Tilenau, 1818, *Ann. Wetterau. Ges. Naturk.* 4 : 6

hirtus, *Symphysopus*, Tilesius von Tilenau, 1818, *Ann. Wetterau. Ges. Naturk.* 4 : 9

indicus, *Acetes*, H. Milne Edwards, 1830, *Ann. Sci. nat.*, Paris (1)19 : 351
kroyeri, *Penaeus*, Heller, 1862, *S.B. Akad. Wiss. Wien* 45(1) : 425
longimanus, *Heteropenaeus*, De Man, 1896, *Zool. Anz.* 19 : 111
longinaris, *Artemesia*, Bate, 1888, *Rep. Voy. " Challenger "* (Zool.) 24 : 281
maldivensis, *Sicyonella*, Borradaile, 1910, *Trans. Linn. Soc. Lond.*, Zool. (2)13 : 259

miersi, *Penaeopsis*, Holthuis, 1952, *Rés. sci. Expéd. océanogr. Belge Atlant. Sud* 3(2) : 80

mobilispinis, *Metapenaeus*, Rathbun, 1915, *Proc. biol. Soc. Washington* **28** : 117
parvus, *Gennadas*, Bate, 1881, *Ann. Mag. nat. Hist.* (5) **8** : 192
rostridentatus, *Aristeus*, Bate, 1881, *Ann. Mag. nat. Hist.* (5) **8** : 189
serratus, *Penaeopsis*, Bate, 1881, *Ann. Mag. nat. Hist.* (5) **8** : 183
spinidorsalis, *Hemipenaeus*, Bate, 1881, *Ann. Mag. nat. Hist.* (5) **8** : 186
styliferus, *Penaeus*, H. Milne Edwards, 1837, *Hist. nat. Crust.* **2** : 418
typus, *Leucifer*, H. Milne Edwards, 1837, *Hist. nat. Crust.* **2** : 469
woodwardi, *Funchalia*, Johnson, 1868, *Proc. zool. Soc. Lond.* **1867** : 895

The following are the original references for family-group names placed on the Official List and Index by the Ruling given in the present Opinion:

ARISTAEINA Wood-Mason, 1891, an incorrect original spelling for ARISTEINAE q.v.
 ARISTEINAE Wood-Mason, 1891, in Wood-Mason & Alcock, *Ann. Mag. nat. Hist.* (6) **8** : 278

BENTHESICYMINA Wood-Mason, 1891, an incorrect original spelling for BENTHESICYMINAE q.v.

BENTHESICYMINAE Wood-Mason, 1891, in Wood-Mason & Alcock, *Ann. Mag. nat. Hist.* (6) **8** : 286

LEUCIFÉRIENS H. Milne Edwards, 1837, *Hist. nat. Crust.* **2** : 467

LUCIFERINAE Ortmann, 1898, *Bronn's Klass. Ordn. Tierr.* **5**(2) (50) : 1121

LUCIFERIDAE Dana, 1852, *U.S. Explor. Exped.* **13**(1) : 636, 639

SERGESTIDAE Dana, 1852, *Proc. Acad. nat. Sci. Philad.* **6** : 18

The following are the original references for the designation of type-species for genera concerned in the present Ruling:

For *Benthescymus* Bate, 1881 : Bate, 1888, *Rep. Voy. "Challenger"* (Zool.) **24** : 320

For *Haliporus* Bate, 1881 : Fowler, 1912, *Ann. Rep. New Jersey State Mus.* **1911** : 542

For *Hemipenaeus* Bate, 1881 : Faxon, 1895, *Mem. Mus. comp. Zool.*, Harvard **18** : 200

For *Hepomadus* Bate, 1881 : Fowler, 1912, *Ann. Rep. New Jersey State Mus.* **1911** : 544

For *Lucifer* Thompson, 1830 : H. Milne Edwards, 1837, *Hist. nat. Crust.* **2** : 469

For *Penaeopsis* Bate, 1881 : Bouvier, 1905, *C.R. Acad. Sci.*, Paris **140** : 981

For *Plesiopeneus* Bate, 1881 : Faxon, 1895, *Mem. Mus. comp. Zool.*, Harvard **18** : 196

CERTIFICATE

We certify that the votes cast on Voting Papers (63)34 and (68)9 were cast as set out above, that the proposals contained in Parts 2, 4 and 5 of Voting Paper (63)34 and in Voting Paper (68)9 have been duly adopted under the plenary powers, and that the decision so taken, being the decision of the International Commission, is truly recorded in the present Opinion No. 864.

R. V. MELVILLE
 Secretary

W. E. CHINA
 Assistant Secretary

International Commission on Zoological Nomenclature

London

13 August 1968